**BRUHAT BENGALURU MAHANAGARA PALIKE**

# TENDER DOCUMENT – KW4

(WORKS COSTING MORE THAN Rs. 100 LAKHS)

**Name of Work**: - Additional Development works at Doddabettahalli Govt School in Attur Ward No 03

Estimate Cost: 100.00 Lakhs

CONTRACTOR



EXECUTIVE ENGINEER
YELAHANKA DIV

**BRUHAT BENGALURU MAHANAGARA PALIKE**

**No: BBMP/EE/YNK.D/E-PMT/14/2021-22**

Office of the
Yelahanka division,
Dated :

## INVITATION FOR TENDER (IFT)

**(Short term- Tender Notification)**

*(Through GOK e-Procurement Portal only)*

1. The Executive Engineer Yelahanka Division invites tenders on behalf of
commissioner, BBMP, Bengaluru from eligible Tenderers for the construction
works detailed in the table below. The tenderers may submit tenders for works
in the table through e-procurement portal of the Government of Karnataka
https://eproc.karnataka.gov.in/The Tenderers are advised to note the minimum
qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify
for award of the contract as **per standard tender document KW-4**
2. Tenders must be accompanied by Earnest Money Deposit specified for the work in the
table below. Earnest money deposit will have to be submitted EMD Declaration Copy
(As per Government order No.FD/675/expe-12/2020 Bangalore Dated 22-12-2020)
3. S Tenders must be submitted online through e-procurement portal on or before 16.00
hours on **03-01-2022** and the opening of tenders will be as per the e-procurement
portal guidelines.
4. GST Shall be Paid to the tendered amount separately
5. Other details can be seen in the tender documents.

| Sl. No. | Name of the Work | Est. Cost in Lakhs | Category | Cost of Tender form in Rs. (Non-Refundable) | Period of Completion |
|---|---|---|---|---|---|
| 1 | Improvements of roads, development of Parks and Construction of Buildings in ward no 01, 02, 03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants (Package No-15) | 970.00 | - | As per e-Procurement Portal | 06 Months |
| 2. | Augmentation of water supply through borewell, network of pipelines and ground water recharge facilities in various layout of Harohalli, Nagenahalli, Kanchenhalli, Ananthapura, Doddabettahalli and Chikkabettahalli village limits in ward No 02, 03 of Yelahanka Division (PAC/KAG/130-16) | 420.00 | - | As per e-Procurement Portal | 04 Months |
| 3. | Additional Development works at Doddabettahalli Govt School in Attur Ward No 03 | 100.00 | - | As per e-Procurement Portal | 06 Months |
| 4. | Construction of Additional Class Rooms to Govt School at B Sector in ward No 04 | 100.00 | - | As per e-Procurement Portal | 06 Months |
| 5. | Additional and Alteration of School Buildings at Kanakanagara, Allalasandra and Ambedkar Nagara in Ward No 04 | 100.00 | - | As per e-Procurement Portal | 06 Months |
| 6. | Supplying of Benches/Desks to Govt schools | 100.00 | - | As per | 03 Months |

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and Colleges in ward No 01, 02, 03 & 04 of
Yelahanka Division.

Additional works to Public Toilet at NES
Circle in Yelahanka upanagara ward No 04

**Bidder Eligibility & Class of Contractors:**

| | | |
|---|---|---|
| 1) Class IV | - | Upto Rs 01.00 L |
| 2) Class III | - | Upto Rs 10.00 L |
| 3) Class II - | - | Upto Rs 25.00 |
| 4) Class I B | - | Upto Rs 100 C |
| 5) Class I | - | Any amount |

**Calendar of events:**

- Pre bid meeting will be held o
Executive Engineer (Yelahanka
on any matter that may be rais
the bidding document.
- Date of Opening of Technical
**hours**

**ESSENTIAL CONDITIONS:**

1. The Tender Notification alo
of GOK e- Procurement Pla
2. The interested contractor
contractors may choose
Invitation for Tender.
3. Tender documents may
website **http://eproc**
Bidders/Contractors w
participating through
Helpdesk at 080 – 22
4. The contractors sha
date and time of s
EMD notified in t
5. The contractor /
with the bid on
the last date and
6. The tenders wi
7. The Tender w
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|---|---|---|---|---|---|
| | and Colleges in ward No 01, 02, 03 & 04 of Yelahanka Division. | | - | e-Procurement Portal | |
| 7. | Additional works to Public Toilet at NES Circle in Yelahanka upanagara ward No 04 | 30.00 | - | As per e-Procurement Portal | 03 Months |

**Note: Eligibility & Class of Contractors:**

1) Class IV - Upto Rs 01.00 Lakh
2) Class III - Upto Rs 10.00 Lakhs
3) Class II - Upto Rs 25.00 Lakhs
4) Class I B - Upto Rs 100.00 Lakhs
5) Class I - Any amount

**Calendar of events:**

- Pre bid meeting will be held on **23-12-2021** at 15.00 hours in the office of the Executive Engineer (Yelahanka Division) to clarify the issue and to answer questions on any matter that may be raised at that stage as stated in "Instructions to Bidders" of the bidding document.
- Date of Opening of Technical Bids and Financial Proposals is **04-01-2022 after 16:00 hours**

**ESSENTIAL CONDITIONS:**

1. The Tender Notification along with Blank Tender Form will be accessible in the website of GOK e- Procurement Platform (**http://eproc.karnataka.gov.in) website**.
2. The interested contractors / suppliers may download the tender documents. The contractors may choose or otherwise attending the pre-bid meeting indicated in the Invitation for Tender.
3. Tender documents may be downloaded from Government of Karnataka e-Procurement website **http://eproc.karnataka.gov.in** under login for Contractors. Aspiring Bidders/Contractors who have not registered in e-procurement should register before participating through the website https://eproc.karnataka.gov.in or contact e-Procurement Helpdesk at 080 – 22485867 / 22485927.
4. The contractors shall submit the digitally signed tenders electronically on or before the date and time of submission published in the e-procurement portal along with stipulated EMD notified in the tender document.
5. The contractor / supplier shall attach scanned DD or Bank Guarantee (for EMD) along with the bid on e-procurement portal and submit the original Bank Guarantee on before the last date and time notified in the Tender Document to the Tender Inviting authority.
6. The tenders will be evaluated only on confirmation of receipt of payment of EMD.
7. The Tender will remain valid for **180 Days** from the Date of Opening of Tender.
8. The Contractor is not eligible for submission of application for tender form if he has not put the tender after purchase of the tender document continuously for three times.
9. The Successful tenderer will have to execute an agreement with BBMP within **seven days** of receipt of intimation of Letter of Acceptance, failing which his tender will be summarily rejected without giving any further Notice.
10. The Contractor / Agency shall intimate the change, if any, in any of the addresses, in advance or maximum within one week of such change along with acknowledgement of noting down of such change in address from the bank, Income tax, GST authorities etc. Failure to do so liability lies on the Contractor / Agency what so ever.
11. The Work shall be commenced with all Men, Material Tools and Plants within 7 days from the Date of Work Order, failing to which it would be presumed that the Successful Tenderer is not interested in the Work and Action will be taken to get the Work executed through Alternate Agency at the risk and cost of the Former Tendered.

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31. Conditional Tenders will not be entertained and they are summarily rejected.
32. Further particulars can be had from the office of the Executive Engineer, Yelahanka Division, and BBMP during the working days between 10.00 A.M. to 5.30 P.M.
33. The Construction Debris Generated from Work Shall be dumped in Designated Dumping Yards Only.
34. If the Contractor has any liability whatsoever to the BBMP / Govt the same will be deducted from the Contractors bills.
35. Bidder shall submit the bids electronically before the stipulated date and time for the submission published in e-procurement portal. No tenders can be submitted after the due date and time as the portal will not accept late tenders.
36. The contractor / supplier can modify and correct or upload any other relevant document in the portal before last date and time of submission on e-portal. No modifications or withdrawal of tender is possible the closing time of the submission of the tender.
37. In the event of the specified date of tender opening being declared a holiday for the tender inviting authority, the tenders will be opened the next immediate working day.
38. As per Commissioner inter Office Note No:D/ಬಆಶ/1629/18-19 Dated:18-08-2018. The Contractors to Implement/Entrusted the works in 3 shifts round the clock.
39. Bidders Should Submit the **one set of Hard Copy with spiral Binding of all documents which are uploaded in the e-portal to this office before opening the technical bid.** Otherwise their bid will be rejected.
40. The Bidder /Contractors should shall not Quote below the minimum labour rates prevailing @ the time of Tender Notification. If so they shall be provide the Rate Analyses for the same. (To be uploaded in e-procurement plat form).
41. The Works reserved for SC/ST category relaxation of Tender clauses will be applicable as per Government order No. FD 876 Exp-12/2017, Dated: 10-10-2017.

**Sd/-**
**Executive Engineer**
Yelahanka Division

**Copy to:**

1. The Chief Commissioner, BBMP for kind information.
2. **Copy submitted to the Special Commissioner (Projects) for kind information.**
3. **Copy submitted to Zonal Commissioner (Yelahanka) For Kind Information.**
4. **Copy submitted to the Special Commissioner (Finance) & Tender bulletin officer, BBMP for requesting to publish the tender notification in tender bulletin.**
5. **Copy submitted to the Joint Commissioner (Yelahanka) for kind information.**
6. **Copy submitted to the Engineer-In-Chief for kind information.**
7. **Copy submitted to the Chief Engineer (Yelahanka) for kind information.**
8. **Copy submitted The Deputy Commissioner (Bengaluru Urban) for kind information & requested to arrange for publication and to send a copy of the same to this Office for further action.**
9. **Copy submitted to Chief Auditor / Chief Account officer for kind information**
10. **Copy submitted to A.C.F (Yelahanka) for information.**
11. **Copy to Public Relationship Officer, BBMP with request to make arrangements for publication of notification in two leading daily Kannada and English Bangalore based Newspapers as the case may be within next two days & requested to communicate the same to this Office as early as possible.**
12. **Copy to Acct. Suptd. / Cashier of Division office for Necessary Action..**
13. **Copy to IT Advisor with Soft copy for needful action to place in the BBMP website.**
14. **Copy to Store Keeper/ Records Section, Mayo Hall, Bangalore for information and need full action.**

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2. **Eligible Tenderer s:**

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka / BBMP

2.2 **Tenders from Joint ventures are not acceptable.**

3. **Qualification of the Tenderer:**

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years (i.e. 2015-16 to 2019-20)

*(a)* achieved in at least two financial years a minimum financial turnover (in all classes of civil engineering construction works only) of **Rs. 1.75 Crores**

(b) satisfactorily completed (at least 50% of the contract value) as prime contractor, at least one similar work such as Improvements of roads, development of Parks and Construction of Buildings works of value not less than **Rs. 45.00 lakhs**

*(c)* executed in any one year, the following minimum quantities of work:[1]

| Sl. No | Description | Unit | Quantity |
|---|---|---|---|
| 1 | Granite Flooring of 20mm Thick | Sqm | 516.97 |
| 2 | Waterproofing of RCC Terrace | Sqm | 320.00 |
| 3 | M S Grill | Kg | 1890.00 |
| 4 | Solid Concrete Blocks | Sqm | 781.91 |
| 5 | Plastering | Sqm | 2026.4 |
| 6 | Centering and Shuttering | Sqm | 434.04 |

Note: Certified Contractors Bill Copies shall be uploaded (Admitted Bill Copies)

(d) The Tenderer or his identified sub-contractor should possess required valid electrical license for executing building electrification works and should have executed similar electrical works totaling Rs ..... *(usually not less than 50% of the electrical works)** in any one year;[2]

(e) The Tenderer or his identified sub-contractor should possess valid license for executing water supply/sanitary engineering works and should have executed similar water supply/sanitary engineering works totaling Rs.....* *(usually not less than 50% of the water supply/sanitary engineering works)** in any one year;[3]

3.3 Each Tenderer should further demonstrate:

(a) Availability by owning critical equipment and at least 50% of the required/specified key equipment for this work and the remaining 50% can be deployed on lease/hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this work are furnished.

| Sl No | Description of equipment | Qty | Ownership |
|---|---|---|---|
| 1 | Excavator | 1 No | Own/Lease |
| 3 | Concrete Mixer Machine | 2 No | Own/Lease |
| 4 | Needle Vibrator | 2 No | Own |
| 5 | Water tanker | 1 No | Own |
| 6 | Tippers | 2 No | Atleast 50% own |

(b) Liquid assets and /or availability of credit facilities of not less than **Rs. 26.5 Lakhs** (Credit lines/ letter of credit/ certificates from banks for meeting the fund requirement etc.

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

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Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source.

8.2 **Pre-tender meeting:**

8.2.1 The tenderer or his authorized representative is invited to attend a pre-tender meeting which will take place at **The Office of the Executive Engineer , Yelahanka Div, Bangalore – 560064 on 23-12-2021 at 15.00 Hrs**

8.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage

8.2.3 The tenderer is requested to submit any questions in writing or by cable to reach the Employer not later than **2 days before Pre bid meeting.**

8.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub-Clause 7.1 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting.

8.2.5 Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer.

**9. Amendment of Tender documents**

9.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.

9.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

9.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below.

## C. Preparation of Tenders

**10. Documents comprising the Tender**

10.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

**10.1.1 First Cover:**
(a) Earnest Money Deposit;
(b) Qualification Information as per formats given in Section 3,

**10.1.2 Second Cover:**
(a) The Tender (in the format indicated in Section 4)
(b) Priced Bill of Quantities (Section 9),
and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

10.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

**11. Tender prices**

11.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

11.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

11.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.

11.4 The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract.

**12. Tender validity**

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15.1 The Tenderer shall seal the original and a copy of the Tender in separate envelopes, duly marking the envelopes as "**ORIGINAL**" and "**COPY**". These envelopes (called as inner envelopes) shall then be put inside one outer envelope.

15.2 The inner and outer envelopes shall

(a) be addressed to the Employer at the following address:

**Office of the Executive Engineer**
**Yelahanka Division**
**CMC Road, Yelahanka old town Bangalore – 560064.**

(insert address of office for Tender submission), and

(b) bear the following identification:

- Tender for .....[name of contract]
- Tender Reference No.....[insert number]
- DO NOT OPEN BEFORE.....[time and date for tender opening, per Clause 19]

15.3 In addition to the identification required in Sub-Clause 15.2, the inner envelopes shall indicate the name and address of the Tenderer to enable the tender to be returned unopened in case it is declared late, pursuant to Clause 17.

15.4 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the Tender.

Note:-

1. The Tenderer shall access Tender Documents, fill them and submit the Completed Tender Document as stated in Clause 10 through Website of e – Procurement itself (www.eproc.karnataka.gov.in). The Signed, Sealed and Scanned Copy of all the Documents as stated in Clause 10 shall be attached to the e – Tender Document, failing which the Bid will not be considered. It is the Responsibility of the Tenderer to submit all the Documents pertaining to Eligibility Criteria / Qualification Information with due diligence. All the Pages of the Document shall be serially numbered with an Index for ready reference.
2. No Physical Documents shall be considered. However, all the participating Tenderers shall produce all the Original Documents for Verification whenever asked by the Employer.

## 16. Deadline for submission of the Tenders

16.1 Tenders must be received by the Employer at the address specified above no later than **03-12-2021. at 16.00 hours** In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day.

16.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

## 17. Late Tenders

17.1 Any Tender received by the Employer after the deadline prescribed in Clause 16 will be returned unopened to the Tenderer.

## 18. Modification and Withdrawal of Tenders

18.1 Tenderers may modify contents of First or Second Covers separately for each Cover or withdraw their Tenders by giving notice in writing before the deadline prescribed in Clause 16.

18.2 Each Tenderer's modification separately for each Cover or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with Clause 14 & 15, with the outer and inner envelopes additionally marked "**MODIFICATION FOR FIRST/SECOND COVER**" or "**WITHDRAWAL**", as appropriate.

18.3 No Tender may be modified after the deadline for submission of Tenders.

18.4 Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 13.

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been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

**22 Clarification of Tenders**

22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.

22.2 Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

22.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

**23. Examination of Tenders and determination of responsiveness**

23.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has been properly signed; and; (b) is substantially responsive to the requirements of the Tender documents.

23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

**24. Correction of errors**

24.1 Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

(a) where there is a discrepancy between the rates in figures and in words, the lower of the two will govern[6], and

(b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

24.2 The amount stated in the Tender will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount the Tender will be rejected, and the earnest money deposit may be forfeited in accordance with Sub-Clause 13.6 (b).

**25. Evaluation and comparison of Tenders**

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.

25.2 In evaluating the Tenders, the Employer will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:

(a) making any correction for errors pursuant to Clause 24; and

(b) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 18.5.

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the

[6] Clause 25(2) of Chapter VI of KTPP Rules 2000 states that " in case of discrepancy between the price quoted in words and figures, the lower of the two shall be considered".

29.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

30 **Advance Payment and Security:**

31. **Corrupt or Fraudulent practices**

31.1 The BBMP requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BBMP:

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BBMP contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a BBMP contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

## SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration _____

(Attach Copy)

Principal place of business: _____

1.2 Total value of civil engineering construction works executed and payments received in the last five years (in Rs. Lakhs) Attach Certificate from Chartered Accountant

2016 - 17 .....
2017 - 18 .....
2018 - 19 .....
2019 - 20 .....
2020 - 21 .....

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

| Project Name | Name of Employer | Descrip-tion of Work | Contract Number | Value of Contract Rs. Lakhs | Date of issue of work order | Specified period of completion | Actual date of Actual date of | Remarks explaining reasons for delay in completion of work |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | |

1.4 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

| Year | Name of Work | Name of Employer | Quantity of work performed (cum)[7] | | | Remarks (Indicate contract reference) |
|---|---|---|---|---|---|---|
| | | | Cement Concrete | Masonry | Earthworks | |
| 2016-17 | | | | | | |
| 2017-18 | | | | | | |
| 2018-19 | | | | | | |
| 2019-20 | | | | | | |

[7] Items of work for which data is requested should tally with that specified in ITT Clause 3

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| Other Party (ies) | Employer | Details of dispute | Amount involved | Remarks showing present status |
|---|---|---|---|---|
| | | | | |

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

## SECTION 4: FORMS OF TENDER, LETTER OF ACCEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

### Form of Tender

Description of the Works: .....

.....

(To be filled in by the Employer before issue of the Tender document)

**Tender**

To : .....

Address .....

.....

(To be filled in by the Employer before issue of the Tender document)

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of ..... *[in figures]* (.....) *[in letters]*.[9]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

The advance payment required is Rs.....

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory: _____

Name of Tenderer _____

Address: ----------

---

### Letter of Acceptance

(letterhead paper of the Employer) .....[date]

To: _____

[9] To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of the Form of Tender.

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.....[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute

.....

[name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   - i) Letter of Acceptance;
   - ii) Notice to proceed with the works;
   - iii) Contractor's Tender;
   - iv) Contract Data;
   - v) Conditions of contract (including Special Conditions of Contract);
   - vi) Specifications;
   - vii) Drawings;
   - viii) Bill of Quantities; and
   - ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of

.....

Signed, Sealed and Delivered by the said

.....

.....

in the presence of.

Binding Signature of Employer

.....

Binding Signature of Contractor

.....

# SECTION 5: CONDITIONS OF CONTRACT

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The Contract Data defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body who's Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
**Days** are calendar days; **months** are calendar months.
A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.
The **Employer** is the party who will employ the Contractor to carry out the Works.
**Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
**Materials** are all supplies, including consumables, used by the contractor for incorporation in the Works.
**Plant** is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.
**Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

**2. Interpretation**

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor's Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) any other document listed in the Contract Data as forming part of the Contract.

**3. Law governing contract**

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

**4. Employer's decisions**

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

**5. Delegation**

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

**6. Communications**

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of insurance shall not be made without the approval of the Employer.

13.5 Both Parties shall comply with any conditions of the insurance policies.

**14. Site Investigation Reports:**

14.1 The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

**15. Queries about the Contract Data**

15.1 The Employer will clarify queries on the Contract Data.

**16. Contractor to construct the Works**

16.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

**17. The Works to be completed by the Intended Completion Date**

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

**18. Approval by the Employer:**

18.1 The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for the design of Temporary Works

18.3 The Employer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

18.4 The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.

18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer before their use.

**19. Safety**

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

**20. Discoveries**

20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

**21. Possession of the Site**

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

**22. Access to the Site**

22.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

**23. Instructions**

23.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

**24. Procedure for resolution of Disputes:**

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The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. **Compliance with labour regulations**:

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time

3. **Protection of Environment:**

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. **Arbitration (Clause 24)**

4.1 The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)

(b) Arbitration proceedings shall be held at ..... Karnataka state ( to be filled in by the Employer before issue of the Tender Documents),

(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor should produce invoice for procurement of Bitumen, Steel, HDPE ducts, Geo-textile material along with bills. No payments will be made without such invoices.

7. Mix Designs for Concrete and Asphalt work should be got approved by Chief Engineer before commencement of Work.

8. 63/51 mm Double Walled Corrugated HDPE Duct should have the inner layer as silicore marking the duct manufacturer and also size of the duct. The Duct should conform to ISO Certification and the colour of duct should be orange or blue for better identity.

9. The Contractor shall provide One four wheeler along with driver, fuel expenses to Project Engineers in-charge of work to facilitate and co-ordinate the supervision of the work.

10. The Contractor shall establish field lab and field office to facilitate quality assurance of execution of works.

11. The hot mix plant unit should be within the radius of 40km from Vidhanasoudha, Bangalore

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Annexure:

## LIST OF ORGANIZATIONS WHO ARE CONSIDERED AS APPOINTING AUTHORITY FOR APPOINTMENT OF ARBITRATORS[11]

1. Indian Council of Arbitration, New Delhi;
2. International Centre for Alternative Disputes Resolution (India),
3. Indian Roads Congress;
4. Indian Building Congress;
5. Indian Institute of Bridge Engineers;
6. Indian Institute of Public Health Engineers;
7. Institute of Water Works

## SECTION 6: CONTRACT DATA

**Items marked "N/A" do not apply in this Contract.**

**Clause Reference**

The following documents are also part of the Contract:

- The Schedule of Operating and Maintenance Manuals [48]
- The Methodology and Program of Construction [25]
- Site Investigation Reports [14]
- The Schedule of Key and Critical Equipment to be deployed on the work as per agreed program of construction. [25]

The Employer is: [1.1]

Name: The Commissioner
Address: BBMP, N.R. Square Bangalore-02
Name of authorized Representative: Executive Engineer
Yelahanka Division
CMC road Yelahanka old town
BBMP, Bangalore – 560064.

The name and identification number of the Contract is Additional Development works at Doddabettahalli Govt School in Attur Ward No 03

**The Works consist** Construction of Buildings. [1.1]

The start date shall be the date of issue of notice to proceed with the work.

The Intended Completion Date for the whole of the Works is 6 **months**[12] with the following milestones

Milestone dates:
Physical works to be completed Period from the date of issue of Notice to proceed with the work

**Milestone 1 i.e Financial Progress for Rs. 28.87 Lakhs within 02 Months from the date of work order (33%)**
**Milestone 2 i.e Financial Progress for Rs. 58.00 Lakhs within 04 Months from the date of work order (66%)**

**Milestone 3 i.e Financial Progress for Rs. 87.5 Lakhs within 06 Months from the date of work order (100%)**

The Site Possession Date is:[13] **Date of work order** [21]

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[11] Add any other Organization considered suitable.
[12] At the time of preparation of the tender document give the period required for completion of whole work and the milestones. When the Agreement is drawn after award of contract the dates can be put in.
[13] At the time of preparation of the tender document give the period after the issue of work order, when the site would be made available to the contractor, for example 'one week after the issue of work order'



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$V_C$ = increase or decrease in the cost of the work during the quarter under consideration due to changes in the rates for cement;

$C_o$ = The all India average wholesale price index [20]for cement (Ordinary Portland Cement) for the quarter preceding the date of opening of the tenders as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India , New Delhi;

$C_i$ = The all India average wholesale price index for cement (Ordinary Portland Cement) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$P_C$ = Percentage of cement component of the work

**Note: For the application of this clause index of Ordinary Portland Cement[21] has been chosen to represent Cement Group**

Adjustment for steel component:

(iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula.

$V_S = 0.85 \times P_S/100 \times R \times (S_i - S_o)/S_o$ where,

$V_S$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel;

$S_o$ = The all India average wholesale price index for steel (M.S.Bars and rods) for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$S_i$ = The all India average wholesale price index for steel (M.S. Bars and Rods) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, New Delhi

$P_S$ = Percentage of steel component of the work

**Note: For the application of this clause, index of M.S. Bars and Rods[22] has been chosen to represent steel group.**

Adjustment of Bitumen Component:

(iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$$V_B = 0.85 \times P_B/100 \times R \times (B_i - B_o)/B_o \text{ , Where}$$

$V_B$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

$B_o$ = The official retail price of bitumen at the IOC /HPCL/BPL or any other depot at ..... [23]on the day 30 days prior to the date of opening of Bids.

$B_i$ = The official retail price of bitumen at the IOC/HPCL/BPL or any other depot at ..... for the 15th day of the middle calendar month of the quarter under consideration.

$P_B$ = Percentage of bitumen component of the work.

Adjustment of Fuel and Lubricant component:

(v) Price adjustment for increase or decrease in cost of Fuel and Lubricants shall be paid in accordance with the following formula:

$$V_F = 0.85 \times P_F/100 \times R \times (F_i - F_o)/F_o \text{, Where,}$$

$V_F$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for Fuel and Lubricants.

$F_o$ = The official retail price of High Speed Diesel (HSD) at the IOC/HPCL/BPL or other consumer pump at Bangalore on the day 30 days prior to the date of opening of Bids.

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[20] The index number are available in the web site *http://eaindustry.nic.in*

[21] This may be changed to any other type of cement depending on the nature of work.

[22] This may be changed depending on the major type of steel used depending on the nature of work.

[23] Insert the nearest location of POL Depot



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/ Other materials – $r_M$ .....%

TOTAL 100 %[31] [40]

The liquidated damages for the whole of the works are Rs. 8,745.47/-(amount) per day[32] and that for the milestones are as under: [41]

For Milestone 1: Rs 2,886.00/- per day
For Milestone 2: Rs 5,772.01/- per day
For Milestone 3: Rs 8,745.47/- Per day

The maximum amount of liquidated damages for the whole of the works is Ten percent of final contract price. [41]

[42]

**The amounts of the advance payment are:**

| Nature of Advance | Amount (Rs.) | Conditions to be fulfilled |
|---|---|---|
| 1. Mobilization | 5% of the Contract price | On submission of un-conditional Bank Guarantee. (to be drawn before end of 20% of Contract period) |

(The advance payment will be paid to the Contractor no later than 30 days after fulfillment of the above conditions). [42]

Repayment of advance payment for mobilization

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 15 percent of the Contract Price or Three [33] months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 7.5% percent of the amounts of all Interim Payment Certificates until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clauses 17 and 26.

[34]The date by which "as-built"[35] drawings (in scale 1:1000[36]) in 2 sets are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

[37]The date by which Operating and Maintenance Manuals are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be.

The amount to be withheld for failing to supply "as built" drawings or supply of Operation and Maintenance Manuals by the date required is **Rs 1,00,000/-**

*(The amount should be sufficient to get the completion drawings or Operating and* Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]

[49.2]

The following events shall also be fundamental breach of the contract:

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's Additional cost for completing the Works shall be 30 percent (30%) . [50.1]

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[30] This could vary from 15% for normal works to 30% for highly mechanized operations in the work
[31] The total of the percentages for the various components of the works should be 100.
[32] The amount is usually computed on the basis of 0.1% of the contract price per day. The amount has to be specified as a round figure nearest to the hundred.
[33] To be filled up by the Employer before issue of the tender document; say 'Three or four months'
[34] Score out whichever is not applicable.
[35] Completion drawings
[36] Specify an appropriate scale
[37] Score out which ever is not applicable.

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(Change if need be. It should be sufficient to get the balance of works completed by

## SECTION 7: SPECIFICATIONS

As per specifications mentioned in BOQ

## SECTION 8: DRAWINGS
**(Enclosed)**

## SECTION 9: BILL OF QUANTITIES

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF THE PROJECT: ADDITIONAL DEVELOPMENTAL WO**
**DODDABETTAHALLI GOVT SCHOOL IN ATTUR WARD No**

**SCHEDULE-B**

| Item No | Description of Work | Unit | Total Quantity as per Estimation |
|---|---|---|---|
| 1 | Excavation 1.5m and above in width in hard rock by chiselling and / or wedging, where blasting is prohibited for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m. in depth stacking the excavated stuff clear from the edge of excavation with lead upto 50m including cost of labour. Complete as per specifications and directions of the Engineer-in -charge. | Cum | 36.49 |
| 2 | Providing and laying in position plain cement concrete of mix 1:4:8( M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing. Complete as per specifications and directions of the Engineer-in -charge. | Cum | 7.62 |
| 3 | Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing. Complete as per specifications and directions of the Engineer-in -charge. | Cum | 11.22 |
| 4 | Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing. Complete as per specifications and directions of the Engineer-in -charge. | Cum | 17.08 |

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| | | | | | |
|---|---|---|---|---|---|
| | Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing. Complete as per specifications and directions of the Engineer-in -charge. | Cum | 12.81 | | |
| 6 | Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing. Complete as per specifications and directions of the Engineer-in -charge. | Cum | 21.35 | | |
| 7 | Filling available excavated earth( excluding rock ) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour. Complete as per specifications and directions of the Engineer-in -charge. | Cum | 13.00 | | |
| 8 | Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., Complete as per specifications and directions of the Engineer-in -charge. | Cum | 23.49 | | |
| 9 | Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 85.05 | | |
| 10 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs. Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 221.42 | | |
| 11 | Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 11.43 | | |
| 12 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour. Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 166.88 | | |
| 13 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour. Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 29.70 | | |
| 14 | Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 28.08 | | |

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| | | | |
|---|---|---|---|
| 15 | Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing. Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Cum | 2.87 |
| 16 | Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing. Complete as per specifications and directions of the Engineer-in -charge. First Floor | Cum | 14.00 |
| 17 | Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R C C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Complete as per specifications and directions of the Engineer-in -charge First Floor | Cum | 43.87 |
| 18 | Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing. Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 10.80 |

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| | | | | | |
|---|---|---|---|---|---|
| | Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing. Complete as per specifications and directions of the Engineer-in -charge. First Floor | Sqm | 10.80 | | |
| 20 | Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery .Complete as per specifications and directions of the Engineer-in -charge.Ground Floor. | tonne | 0.40 | | |
| 21 | Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery . Complete as per specifications and directions of the Engineer-in -charge. First Floor | tonne | 7.26 | | |
| 22 | Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc. Complete as per specifications and directions of the Engineer-in -charge. Ground Floor. | Sqm | 330.51 | | |
| 23 | Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc. Complete as per specifications and directions of the Engineer-in -charge. First Floor | Sqm | 330.51 | | |
| 24 | Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc.,fComplete as per specifications and directions of the Engineer-in -charge. Ground Floor. | Sqm | 102.87 | | |

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| 25 | Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., for Complete as per specifications and directions of the Engineer-in -charge. First Floor | Sqm | 93.82 |
| 26 | Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc.,. Complete as per specifjcations and directions of the Engineer-in -charge. Terrace | Sqm | 119.70 |
| 27 | Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing , Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 422.48 |
| 28 | Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and directions of the Engineer-in -charge. First Floor | Sqm | 428.18 |
| 29 | Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing. Complete as per specifications and directions of the Engineer-in -charge. Terrace | Sqm | 251.37 |
| 30 | Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing for . Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 214.23 |
| 31 | Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing for . Complete as per specifications and directions of the Engineer-in -charge. First Floor | Sqm | 208.56 |
| 32 | Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and directions of the Engineer-in -charge.Ground Floor | Sqm | 100.38 |

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| 33 | Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing Complete as per specifications and directions of the Engineer-in -charge. First Floor | Sqm | 84.53 | | |
| 34 | Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing for . Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 824.80 | | |
| 35 | Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 1247.59 | | |
| 36 | Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour. Complete as per specifications and directions of the Engineer-in -charge | Sqm | 422.79 | | |
| 37 | Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour. Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 824.80 | | |
| 38 | Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour. Complete as per specifications and directions of the Engineer-in -charge. Ground floor | Sqm | 422.48 | | |
| 39 | Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour . Complete as per specifications and directions of the Engineer-in -charge. First floor. | Sqm | 428.18 | | |
| 40 | Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour. . Complete as per specifications and directions of the Engineer-in -charge. Terrace | Sqm | 251.37 | | |

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| 41 | Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 20.52 |
| 42 | Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc Complete as per specifications and directions of the Engineer-in -charge. First floor. | Sqm | 20.52 |
| 43 | Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 ( 1 cement hardner mix : 2 granite metal 10mm nominal size ) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 ( 4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing. Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 356.47 |
| 44 | Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 ( 1 cement hardner mix : 2 granite metal 10mm nominal size ) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 ( 4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing. Complete as per specifications and directions of the Engineer-in -charge. First floor | Sqm | 338.51 |
| 45 | Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm . Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 338.51 |

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| | Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm Complete as per specifications and directions of the Engineer-in -charge. . First floor. | Sqm | 307.71 | | |
| 47 | Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 17.87 | | |
| 48 | Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc Complete as per specifications and directions of the Engineer-in -charge. . First floor. | Sqm | 23.10 | | |
| 49 | Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 11.22 | | |
| 50 | Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, Complete as per specifications and directions of the Engineer-in -charge. . First floor. | Sqm | 6.36 | | |
| 51 | Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface ( excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 125.55 | | |
| 52 | Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface ( excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour. Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 109.70 | | |

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| | First floor. | | | |
| 53 | Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | m | 167.80 | |
| 54 | Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., Complete as per specifications and directions of the Engineer-in -charge. First Floor | m | 167.80 | |
| 55 | Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @2.50kg/ sqm on the whole surface, including all labour charges tools and equipments . Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 395.15 | |
| 56 | Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour. Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Nos | 6.00 | |
| 57 | Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour Complete as per specifications and directions of the Engineer-in -charge. First Floor | Nos | 6.00 | |
| 58 | Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries. Complete as per specifications and directions of the Engineer-in -charge. | Cum | 2.38 | |

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| | Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S ' shaped M.S. flat hold fast shall be provided with the frame. Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | m | 45.60 | | |
| 60 | Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame f. Complete as per specifications and directions of the Engineer-in -charge. First Floor | m | 28.50 | | |
| 61 | Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. ( excluding cost of fixtures)Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 15.12 | | |
| 62 | Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. ( excluding cost of fixtures) Complete as per specifications and directions of the Engineer-in -charge. First Floor | Sqm | 15.12 | | |

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| 63 | Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot . Complete as per specifications and directions of the Engineer-in -charge. Ground Floor | Sqm | 12.60 | |
| 64 | Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot for FIRST FLOOR. Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 7.88 | |
| 65 | Providing and applying painting two coats (excluding priming coat ) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.Complete as per specifications and directions | Sqm | 30.24 | |

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| | of the Engineer-in -charge. | | | | |
| 66 | Providing & fixing of 3 Track - 2 Panel Sliding Windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free, gaskets having isolated drainage and reinforced with Galvanized Iron profile through-out the window Frame. The outer frame having a overall size of 108 mm width X 45 mm height with reinforcement of 1 mm thickness and sash with overall size of 39 mm x 75 mm with GI reinforcement of 2 mm and mesh sash of size 30mm.Windows shall be provided with 5mm plain float glass, standard hardware and single point locking system with touch lock. Wall thickness of frame and sash shall be of 2mm -2.5mm. Maximum possible size -2419mm x 21119 mm. Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 108.00 | | |
| 67 | Providing & of Fixed Louvered Ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections with Minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free with gaskets-grey colour having isolated drainage and reinforced with Galvanized Iron profiles through out the Ventilator Frame. The frame having a overall size of 39mm x 39mm with GI reinforcement of 1 mm thickness. Louver clip in Aluminium(powder coated in white) will be used on the frame along with plastic parts for fixing the4mm pin head glass. Wall thickness of frame shall be 2mm. Maximum possible size-1000mm X 1000mm. Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 4.50 | | |
| 68 | Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery for GROUND FLOOR. Complete as per specifications and directions of the Engineer-in -charge. First Floor | Kg | 1181.25 | | |
| 69 | Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery for FIRST FLOOR. Complete as per specifications and directions of the Engineer-in -charge. | Kg. | 1181.25 | | |
| 70 | Providing and applying enamel metal paint two coats ( excluding priming coat ) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour. Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 220.50 | | |

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| 71 | Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., Complete as per specifications and directions of the Engineer-in - charge.Ground Floor | Sqm | 7.84 | |
| 72 | Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc.,Complete as per specifications and directions of the Engineer-in - charge. First Floor | Sqm | 7.84 | |
| 73 | Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications (Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Complete as per specifications and directions of the Engineer-in -charge. | Cum | 20.86 | |
| 74 | Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., Complete as per specifications and directions of the Engineer-in -charge. | Sqm | 109.31 | |

(1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer ITB Clause 11.2 and CC Clause 37.2).

(2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.

(3) Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. [ITT Clause 24.1(a)]

(4) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITT Clause 24.1 (b)]

(5) GST will be paid separately to the Tendered Amount

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## SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: ..... *[name of Employer]*
..... *[address of Employer]*

WHEREAS ..... *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ..... dated : ..... to execute ..... *[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ..... *[amount of guarantee]* [38] Rupees..... *[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ..... *[amount of guarantee]*[39] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

[38] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

[39] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

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